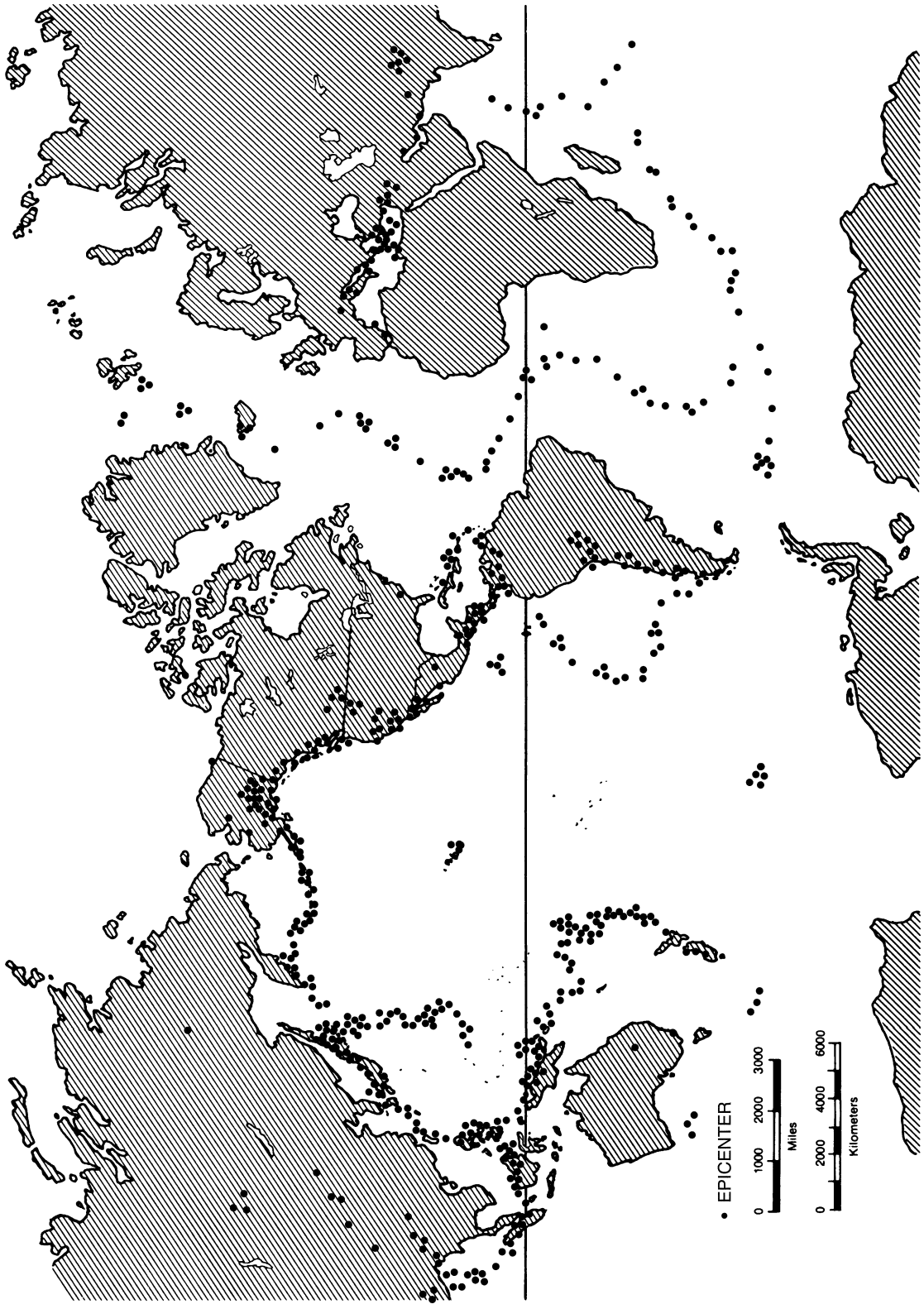
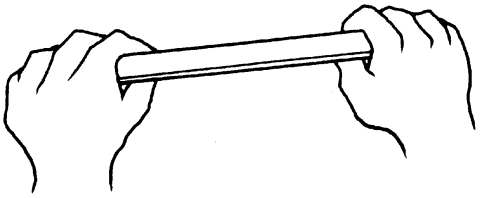
World Map with Epicenters



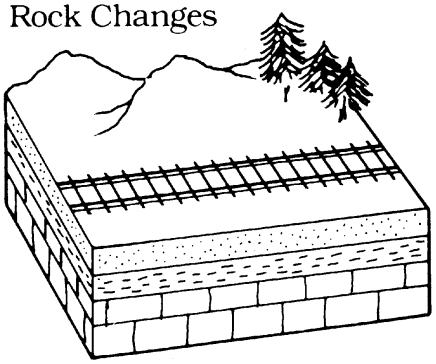
Elastic Rebound

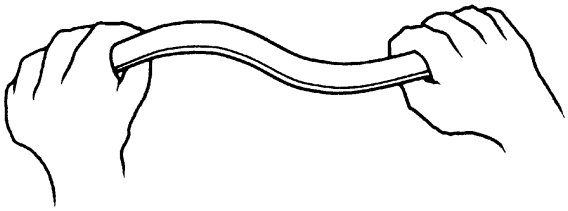
Stick Changes



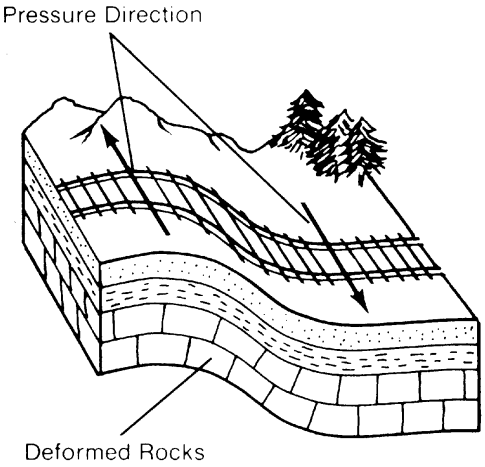
Original position with no strain on sticks and rocks

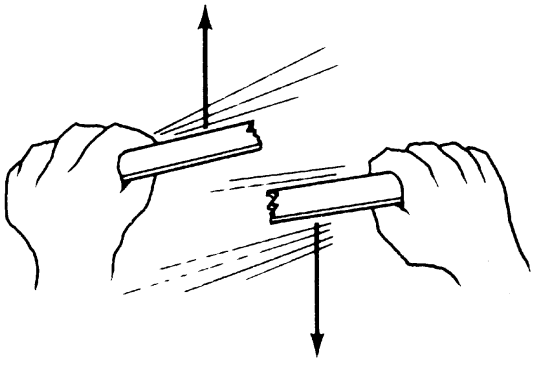
Rock Changes



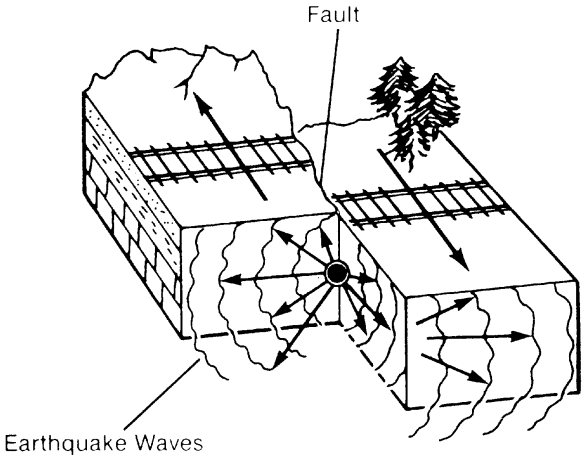


Buildup of potential energy in bent stick and deformed rocks

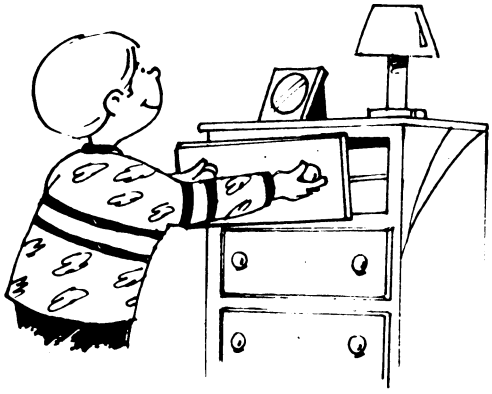




Breaking stick and rocks produces break (fault) and energy release or earthquake

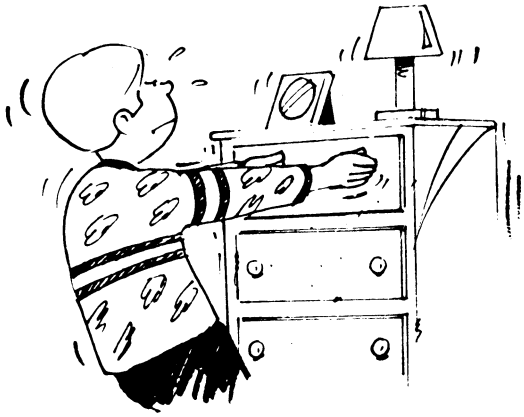


Dresser Drawers



Smooth drawer surfaces slide easily

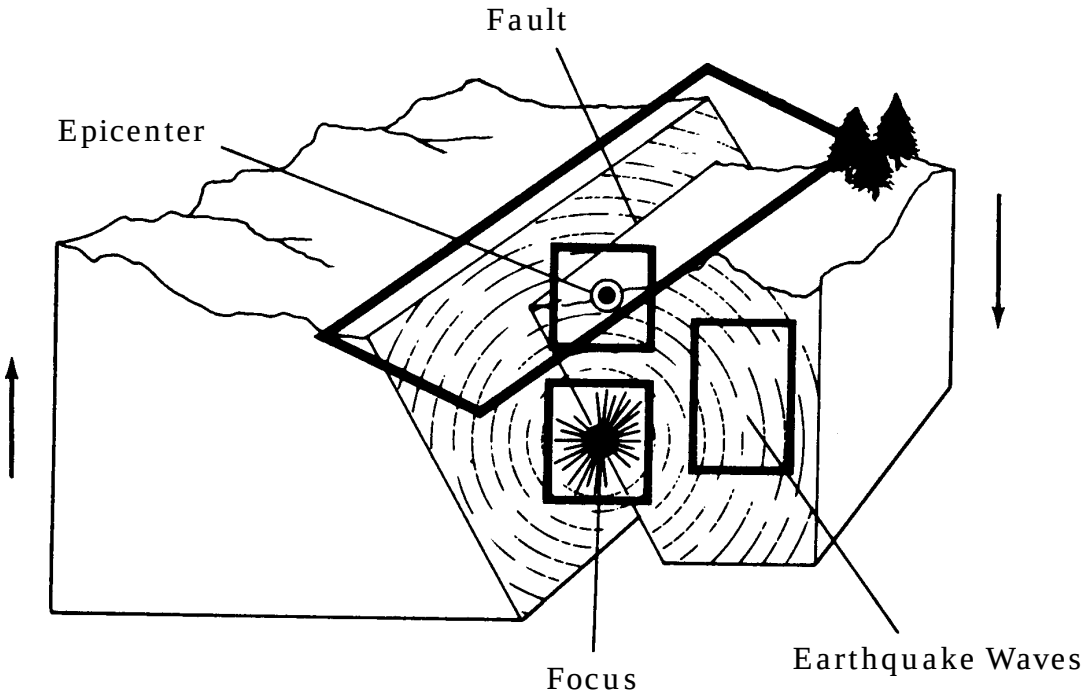
However...



A great force is needed to move a sticky drawer

A sticky drawer opens with a jerky movement

Earthquake Terms



Definitions:

Focus
The focus is the place where an earthquake starts.

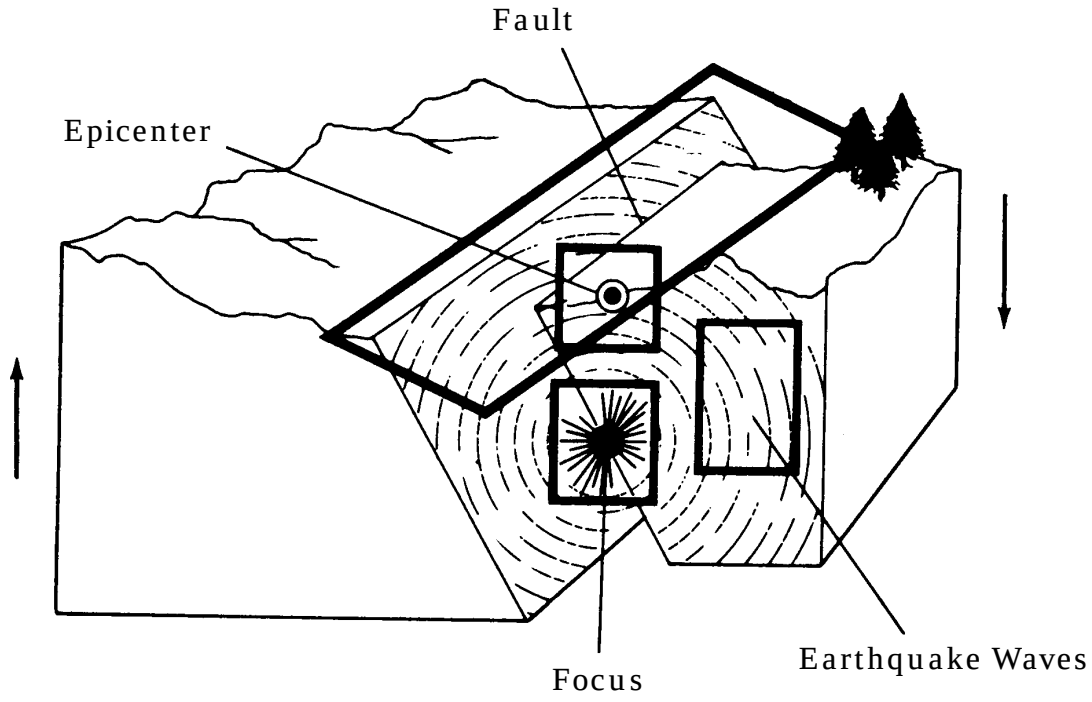
Epicenter
The epicenter is the point on the Earth's surface directly above the focus.

Fault
A fault is a break in the Earth's rocky surface along which the two sides have been displaced relative to each other.

Earthquake Waves
Earthquake waves are waves caused by the release of energy.

Earthquake Terms Worksheet

Name _____



Definitions:

Focus _____

_____

Epicenter _____

_____

Fault _____

_____

Earthquake Waves _____

_____

U.S. Map with Epicenters